



ST. JOSEPH'S COLLEGE OF ENGINEERING & TECHNOLOGY, PALAI

(An ISO 9001: 2008 Certified College)

DEPARTMENT OF COMPUTER APPLICATIONS

Name of Examination : First Semester Examination 2018-2019

Subject : RLMCA101 - Problem Solving and Computer Programming

Semester : S1

Time: 3 Hours

Max.Marks: 60

PART A

(Each Question carries 3 marks, Answer all questions)

1. Define Program Development.
2. What are functions in C?
3. Define and Construct flow chart.
4. Recall single character output in C.
5. Contrast on automatic variables and external variables.
6. Explain multidimensional arrays in C.
7. Illustrate array of pointers.
8. How closing of a file is performed in C.

PART B

(Answer any six questions, one full question from each module and carries 6 marks.)

Module 1

9. Define Arrays, and various array functions in C.

OR

10. Summarize library functions in C.

Module 2

11. What are the different types of functions available in C?

OR

12. Define Interactive programming?

Module 3

13. Recall looping statements in C.

OR

14. Recall various library files and header files in C.

Module 4

15. What are structures? Explain various dtructure types?

OR

16. Rephrase on C strings.

Module 5

17. Expalin the pointer concept in C with proper example.

OR

18. Demonstrate dynamic memory alloaction with suitable example.

Module 6

19. What you mean by Macros and C preprocessor in C.

OR

20. Construct a program to receive receive student information from user and store the deatils in a file.



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